



# Tunnelling Rigs

*The range of equipment for tunnel consolidation manufactured by Enteco includes:*

## **E15 TJ**

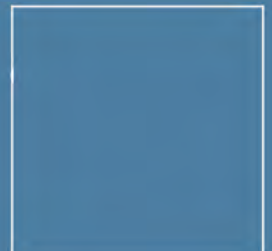
*A compact unit for small-medium size tunnels; despite its size it can drill 12.5 m long holes at a max height of 6150 mm. The drilling radius varies from 1800 mm to 5000 mm.*

## **E412 T**

*A powerful, reliable and versatile machine, can drill at 8.4 m height (with 5 degree mast inclination) with a stroke of 14.5m. The drilling radius varies from 3600 mm to 6800 mm. Easily transportable without removing the mast, it's fitted with effective positioning indicators, on-deck swinging control panel and rod loaders for easier and safer working operations.*

## **E412 T2**

*Fitted with two independent drill masts. It's the ideal equipment for the consolidation of large size tunnels where high productivity is essential. Can be supplied with different mast lengths and various configurations of the supporting slides to suit specific requirements.*



# E15 TJ

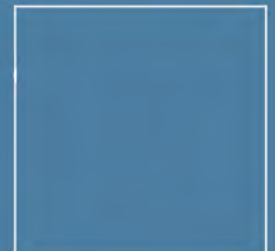
## Hydraulic Tunnelling Rig



Operating weight	kg	26000
Crawler width	mm	2500
Diesel engine	type	CAT C6.6 ACERT
Rated engine power	kW	129
Electric motor (optional)	kW	80
Drilling height max.	mm	6150
Drilling height min.	mm	300
Drilling radius max.	mm	5000
Drilling radius min.	mm	2600 (5 deg. inclination)
	mm	1800 (0 deg. inclination)
Double clamps dia.	mm	60 - 350
Rotary torque	kN	12.5
Rotary speed	rpm	0 - 250
Rotary stroke single rotary	mm	13500
Rotary stroke double rotary	mm	12500
Crowd/Extraction force	kN	70

### Options:

Rods loader  
 Telescopic crane  
 Wireless operating board  
 Electronic positioning on the drilling holes



# E412 T

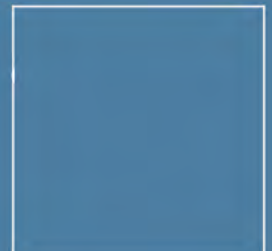
## Hydraulic Tunnelling Rig



Operating weight	kg	42000
Diesel engine	type	CAT C7 ACERT
Rated engine power	kW	187
Drilling height max.	mm	8000
Drilling height min.	mm	900
Drilling radius max.	mm	6200
Drilling radius min.	mm	3600
Rotary torque	kN	25
Rotary stroke	mm	14500
Crowd/Extraction force	kN	100

### Options:

- Rods loader
- Telescopic crane
- Wireless operating board
- Electronic positioning on the drilling holes



# E412 T2

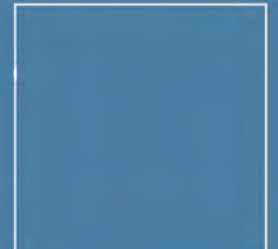
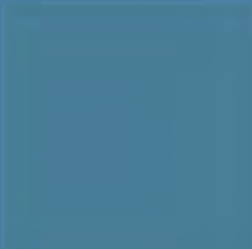
## Hydraulic Tunnelling Rig



Operating weight	kg	92000
Retractable crawlers width	mm	3000 - 4000
Track pads width	mm	800
Turret rotation	deg.	360
Diesel engine	type	CAT C9 ACERT
Rated engine power	kW	261
Drilling height max.	mm	8800
Drilling height min.	mm	900
Drilling radius max.	mm	6600
Drilling radius min.	mm	3600
Rotary torque	kN	25
Crowd/Extraction force	kN	100
Rotary stroke	mm	14500
	mm	18000
	mm	21000

### Options:

- Rods loader
- Telescopic crane
- Wireless operating board
- Electronic positioning on the drilling holes





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Enteco is to be found on all continents and in many countries throughout the world, with specialised, competent dealers who willingly follow customers and sites with great professionalism.



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